

# APPARATUS AND SYSTEM FOR PROVIDING TRANSIENT SUPPRESSION POWER REGULATION

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## ABSTRACT

A device for providing power to suppress transient load demands and a system including the device are disclosed. The device includes a sense circuit to detect when a transient event occurs and one or more transistors configured to supply or sink current to the load. The system 10 may include a second power regulator configured to respond to fast transient power demands. In this case, a first power regulator supplies power to the load and responds to slow transient events, while the second regulator responds only to fast transient events.